

Country reports on resistance activities 2017

Finland

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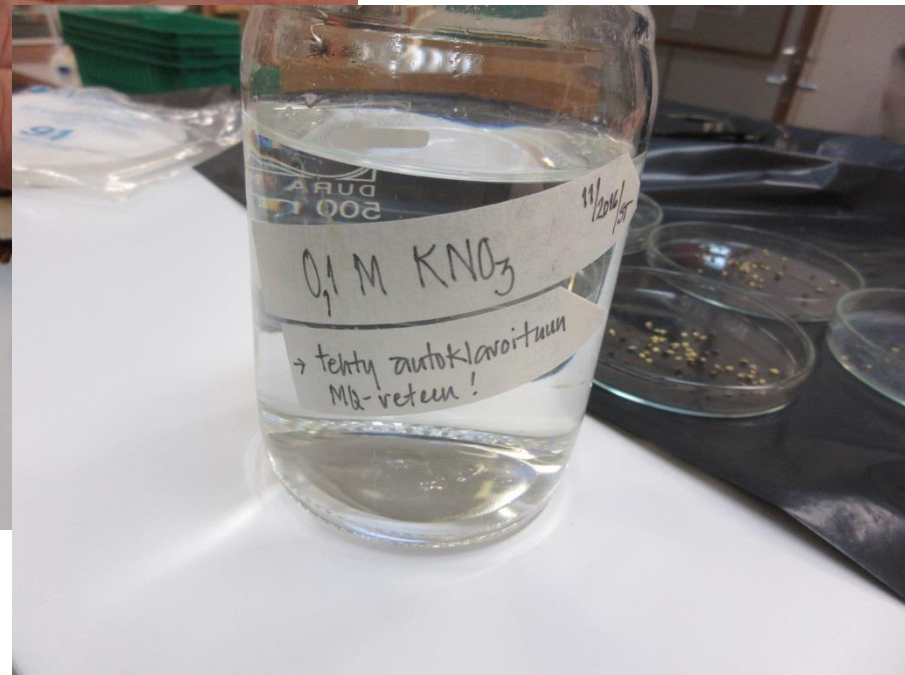
January 2016

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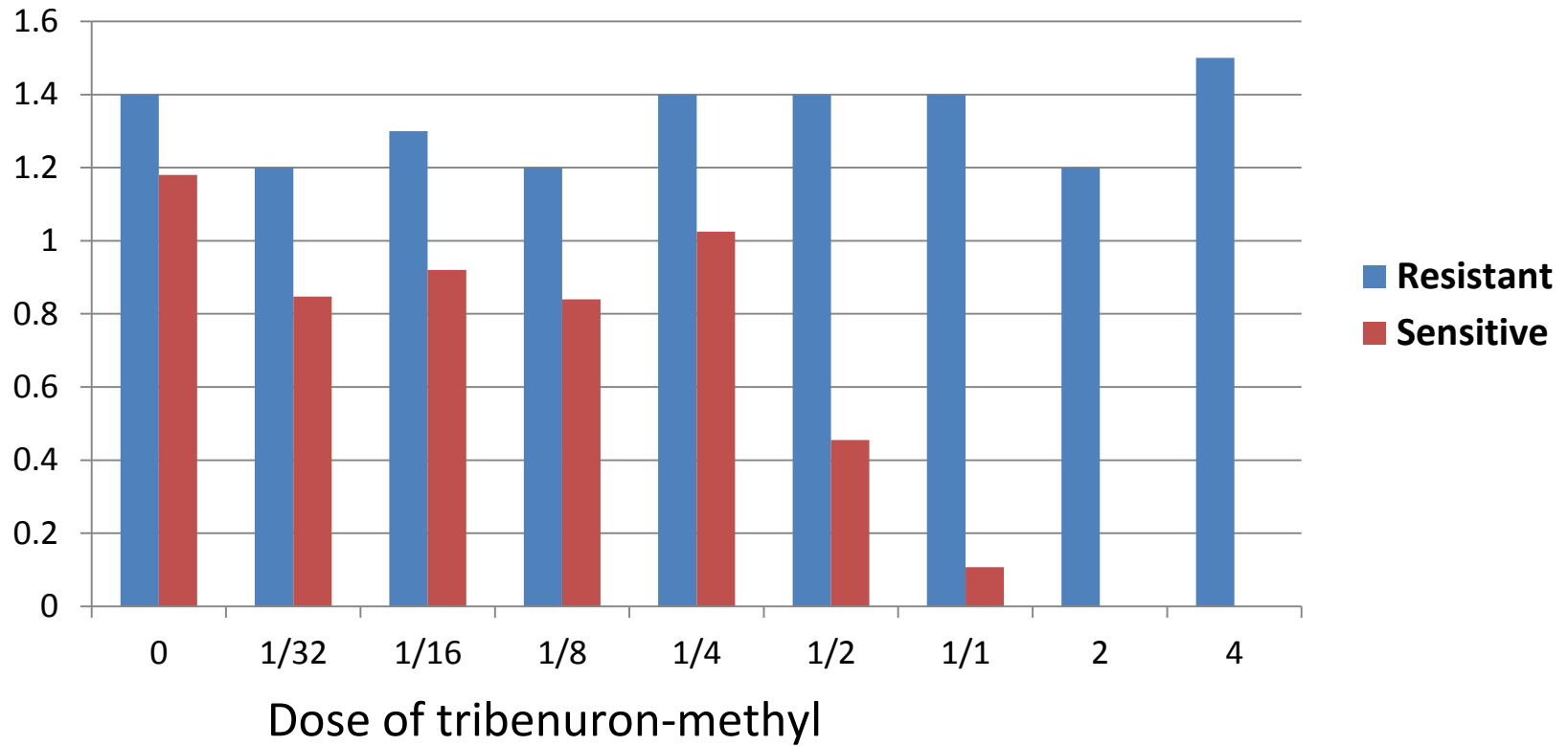
Problem: get seeds to germinate





Summer 2016 ALS resistant GEABI was found

- GAEBI plant g



In 2016 ViljelijänBerner conducted matrix trials with control of (possibly) SU-resistant weeds:

H-16-002-1	CHEAL	HYVINKÄÄ
H-16-001-3	GAEBI	JOUTSENO

H-16-002-1 CHEAL 7.6.2016



H-16-002-1 Saukkonen, Hyvinkää

Sprayed 7.6.2016 18.05 – 18.55; temp. 19,9 °C, 48 % RH,
wind avg 0,8 m/s max 4,2 m/s, plants dry, soil dry,
soil temp. 19,9 °C, no rain within 6 h

Spray volume 200 l/ha

Spring wheat crop BBCH 14 – 20, 18 cm

CHEAL BBCH 14 – 16 ; 3 cm; ground cover 95 %

ASSESSED 12.7.2016 Cover % Height cm	UNT 201 v	Primus 50 ml + Sito Plus 0,1 l/ha 202 v	Starane 180 0,5 l/ha 203 v	Hedonal- MCPA 0,5 l/ha 204 v	Hedonal- MCPA 1,0 l/ha 205 v	Ariane S 1,75 l/ha 206 v	UNT 207 v
UNT 101 ->	100 % 47 cm	100 % 50 cm	100 % 54 cm	70 % 22 cm	2 % 9 cm	0 % 0	100 % 60 cm
Ally Class 35 g 102 ->	100 % 46 cm	60 % 29 cm	80 % 43 cm	20 % 20 cm	0 % 0	0 % 0	100 % 52 cm
Logran 20 g + Sito Plus 0,1 l/ha 103 ->	100 % 54 cm	95 % 48 cm	100 % 45 cm	10 % 15 cm	0 % 0	0 % 0	100 % 54 cm
Zypher 0,5 l + DMA 0,5 l/ha 104 ->	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0
Classic SX 12 g + Sito Plus 0,1 l/ha 105 ->	100 % 50 cm	100 % 49 cm	100 % 48 cm	15 % 18 cm	0 % 0	0 % 0	100 % 49 cm
Zypher 0,75 l + DMA 0,75 l/ha 106 ->	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0
UNT 107 ->	100 % 44 cm	100 % 46 cm	100 % 38 cm	40 % 17 cm	10 % 12 cm	0 % 0	100 50 cm

H-16-001-3 20.6.2016



H-16-001-3 Heinonen, Joutseno

Sprayed 20.6.2016 17.10 – 18.00; temp. 20,1 °C, 60 % RH,
wind avg 0,3 m/s max 3,4, plants dry, soil dry,
soil temp. 19,6 °C; no rain within 6 h

Spray volume 200 l/ha

Spring barley crop BBCH 29 – 31, 28 cm

GAEBI BBCH 18 – 20; 12 cm; ground cover 98 %
(~300 plants/sqm)

ASSESSED 29.7.2016 GK	UNT 201 v	Primus 50 ml + Sito Plus 0,1 l/ha 202 v	Starane 180 0,5 l/ha 203 v	Hedonal- MCPA 0,5 l/ha 204 v	Hedonal- MCPA 1,0 l/ha 205 v	Ariane S 1,75 l/ha 206 v	UNT 207 v
UNT 101 ->	95 % 82 cm	90 % 74 cm	0 % 0	1 % 78 cm	0 % 0	0 % 0	100 % 99 cm
Ally Class 35 g 102 ->	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0
Logran 20 g + Sito Plus 0,1 l/ha 103 ->	20 % 44 cm	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	30 % 61 cm
Sekator OD 0,1 l + Sito Plus 0,1 l/ha 104 ->	80 % 65 cm	5 % 58 cm	0 % 0	5 % 49 cm	1 % 44 cm	0 % 0	70 % 84 cm
Classic SX 12 g + Sito Plus 0,1 l/ha 105 ->	80 % 71 cm	75 % 62 cm	0 % 0	5 % 67 cm	1 % 48 cm	0 % 0	90 % 90 cm
Zypher 0,75 l + DMA 0,75 l/ha 106 ->	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0	0 % 0
UNT 107 ->	95 % 74 cm	85 % 67 cm	0 % 0	5 % 61 cm	0,5 % 37 cm	0 % 0	100 97 cm



Thank You

